

FSH-360

P/N: 8801

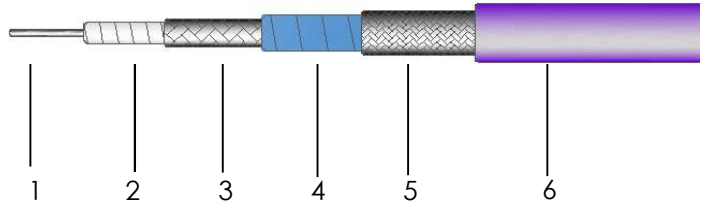


Ultra Low Loss Phase Stable Coax Cable

Ver C Release Date Apr, 2018

Features&Benefits

- 76%Vp PTFE Tape+SPC Wire
- Low Loss, Three layers of shielding
- Anti twist, Anti tensile, High reliability



Construction Specification

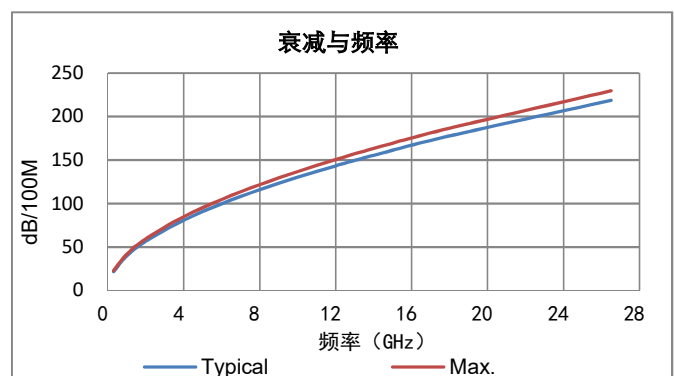
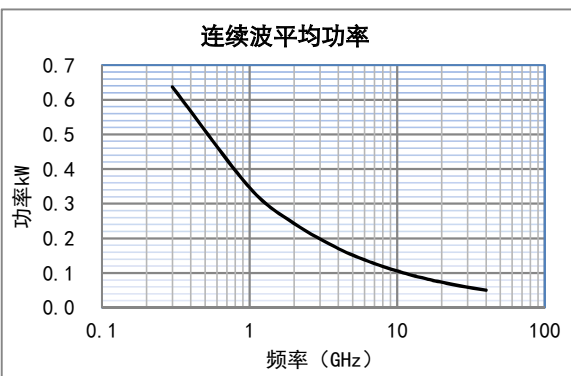
	Description	Size (mm)	Tol.	Materials
1	Center conductor	0.91	±0.03	Silver Plated Copper
2	Dielectric	2.72	±0.05	LD PTFE
3	Outer conductor	2.79	±0.05	Flat wire silver plated
4	Innerlayer	2.95	±0.07	Aluminum foil
5	Outer shield	3.20	±0.12	Stainless steel wire
6	Jacket	3.61	±0.15	Transparent violet FEP

Mechanical&Environmental Specifications

Bend Radius:installation (mm)	8.4
Bend Radius:repeated (mm)	36
Weight (g/m)	31
Temp, Operating&Installation (°C)	-55 ~ 165
Temp, Storage (°C)	-65 ~ 165

Electrical Specifications

Operation Frequency (GHz)	26.5
Impedance (Ohms)	50
Velocity of Propagation	76%
Shielding Effectiveness (dB)	90
Voltage Withstand (V,DC)	1500



Attenuation (Typical@25°C&VSWR=1.0) &Power (VSWR=1.0;40°C;Sea Level)

Frequency MHz	300	1000	2000	4000	6000	8000	10000	12000	14000	18000	26500
dB/100 m	21.64	39.80	56.67	80.90	99.80	115.94	130.31	143.42	155.59	177.80	218.77
Avg.Power kW	0.637	0.346	0.243	0.170	0.138	0.119	0.106	0.096	0.089	0.078	0.063
	K1= 1.2380700					K2= 0.0006499					

$$\text{Calculate Attenuation} = K1 * \sqrt{\text{FMHz}} + K2 * \text{FMHz}$$

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